

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Maher KALAJI *et al.*

Appln. No. 10/582,557

Confirmation No. 4750

Filed: June 9, 2006

For: IMPROVEMENTS IN AND RELATING TO  
BIOSENSORS

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket No. 31229-232367

Customer No.

**26694**

PATENT TRADEMARK OFFICE

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Attention: MAIL STOP - MISSING REQUIREMENTS**

Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US), dated April 3, 2007, submitted herewith are the following:

1. Transmittal Form;
2. Fee Transmittal;
3. English-Language Declaration (3 pages);
4. Power of Attorney or Authorization of Agent (3 pages);
5. Assignment and Recordation Form (7 pages total);
6. A Copy of the Notification of Missing Requirements dated April 3, 2007;

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|  |                      |                          |              |
|--|----------------------|--------------------------|--------------|
| <h1>TRANSMITTAL FORM</h1> <p><i>(to be used for all correspondence after initial filing)</i></p> | Application Number   | 10/582,557 – Conf. #4750 |              |
|  | Filing Date          | June 9, 2006             |              |
|  | First Named Inventor | Maher KALAJI             |              |
|  | Art Unit             | To Be Assigned           |              |
|  | Examiner Name        | To Be Assigned           |              |
| Total Number of Pages in This Submission   |                      | Attorney Docket Number   | 31229-232367 |

| ENCLOSURES (Check all that apply)  |   |   |   |
|--|---|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><br><input type="checkbox"/> Request to Correct Address of Applicant's Attorneys<br><br><input checked="" type="checkbox"/> Response to Notification of Missing Requirements<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><br><input checked="" type="checkbox"/> Supplemental Application Data Sheet<br><br><input checked="" type="checkbox"/> Inventor Declaration<br><br><input checked="" type="checkbox"/> Second Information Disclosure Statement and PTO/SB/08A<br><br><input type="checkbox"/> Claim for Priority and Certified Document<br><br><input checked="" type="checkbox"/> Power of Attorney or Authorization of Agent<br><input checked="" type="checkbox"/> Assignment & Recordation Cover | <input type="checkbox"/> Drawing(s)<br><br><input type="checkbox"/> Licensing-related Papers<br><br><input type="checkbox"/> Petition for Extension of Time<br><br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><br><input type="checkbox"/> Amendment<br><br><input type="checkbox"/> Terminal Disclaimer<br><br><input type="checkbox"/> Request for Corrected Filing Receipt<br><br><input type="checkbox"/> CD, Number of CD(s) _____<br><br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><br><input type="checkbox"/> Proprietary Information<br><br><input type="checkbox"/> Status Letter<br><br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br><br><p style="text-align: center;"><b>Copy of Notification of Missing Requirements</b></p> | <div style="border: 1px solid black; padding: 5px;">Remarks</div> |
| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT   |   |   |   |
| Firm Name  | VENABLE LLP   |   |   |
| Signature  | <i>Kevin B. Leppuy # 54,289 for</i>   |   |   |
| Printed name   | Michael A. Sartori, Ph.D.   |   |   |
| Date   | June 4, 2007  | Reg. No.  | 41,289  |

Application No. 10/582,557  
Applicants: Maher KALAJI *et al.*

8. The \$65.00 surcharge (small entity) for the late filing of the Declaration; and
9. The \$40.00 recordation fee for the Assignment.

Please charge the fees, totaling \$105.00, to our Deposit Account No. 22-0261.

Also being filed concurrently are a Second Information Disclosure Statement and a Supplemental Application Data Sheet (reflecting the application number and a new address for the first-named inventor).

Respectfully submitted,

Date: June 4, 2007

*Michael A. Sartori* # 54,262 for  
Michael A. Sartori, Ph.D.  
Registration No. 41,289  
VENABLE LLP  
P.O. Box 34385  
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MAS/SJB  
#863210

06/06/2007 GFREY1 00000077 220261 10582557  
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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | ATTY. DOCKET NO. |
|-----------------------------|-----------------------|------------------|
| 10/582,557                  | Maher Kalaji          | 31229-232367     |

| INTERNATIONAL APPLICATION NO. |
|-------------------------------|
|-------------------------------|

PCT/GB04/04817

26694  
VENABLE LLP  
P.O. BOX 34385  
WASHINGTON, DC 20043-9998

| I.A. FILING DATE | PRIORITY DATE |
|------------------|---------------|
|------------------|---------------|

11/17/2004

12/11/2003

CONFIRMATION NO. 4750

371 FORMALITIES LETTER



\*OC000000023205493\*

Date Mailed: 04/03/2007

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 06/09/2006
- Copy of the International Search Report filed on 06/09/2006
- Copy of IPE Report filed on 06/09/2006
- Preliminary Amendments filed on 06/09/2006
- Information Disclosure Statements filed on 06/09/2006
- Biochemical Sequence Listing filed on 06/09/2006
- Request for Immediate Examination filed on 06/09/2006
- U.S. Basic National Fees filed on 06/09/2006
- Priority Documents filed on 06/09/2006
- Specification filed on 06/09/2006
- Claims filed on 06/09/2006
- Abstracts filed on 06/09/2006
- Drawings filed on 06/09/2006
- Paper nucleotide sequence listings filed on 06/09/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath

or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is \$65 for a Small Entity:

- **\$65 Surcharge.**
- This application does not contain a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). Applicant must provide such statement. If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000).
- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

**For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:**

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

KAREN R MCLEAN

Telephone: (703) 308-9140 EXT 214

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/582,557                  | PCT/GB04/04817                | 31229-232367     |

FORM PCT/DO/EO/905 (371 Formalities Notice)

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

|  |      |                          |                          |              |
|--|------|--------------------------|--------------------------|--------------|
| Effective on 12/08/2004.<br>Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).<br><h2 style="text-align: center;">FEE TRANSMITTAL</h2> <h3 style="text-align: center;">For FY 2007</h3> |      | <b>Complete if Known</b> |                          |              |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27  |      | Application Number       | 10/582,557 – Conf. #4750 |              |
|  |      | Filing Date              | June 9, 2006             |              |
|  |      | First Named Inventor     | Maher KALAJI             |              |
|  |      | Examiner Name            | To Be Assigned           |              |
|  |      | Art Unit                 | To Be Assigned           |              |
| TOTAL AMOUNT OF PAYMENT  | (\$) | 105.00                   | Attorney Docket No.      | 31229-232367 |

|   |   |
|---|---|
| <b>METHOD OF PAYMENT</b> (check all that apply)   |   |
| <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (Identify): _____ |   |
| <input checked="" type="checkbox"/> Deposit Account            Deposit Account No.: <b>22-0261</b> Deposit Account Name: <b>Venable LLP</b>   |   |
| For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)  |   |
| <input checked="" type="checkbox"/> Charge fee(s) indicated below   | <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee |
| <input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17  | <input checked="" type="checkbox"/> Credit any overpayments                       |

| <b>FEE CALCULATION</b>  |                     |   |                 |                       |                                  |                       |                              |
|---|---------------------|---|-----------------|-----------------------|----------------------------------|-----------------------|------------------------------|
| <b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>  |                     |   |                 |                       |                                  |                       |                              |
| Application Type  | FILING FEES         |   | SEARCH FEES     |                       | EXAMINATION FEES                 |                       | Fees Paid (\$)               |
|   | Fee (\$)            | Small Entity Fee (\$)                                   | Fee (\$)        | Small Entity Fee (\$) | Fee (\$)                         | Small Entity Fee (\$) |                              |
| Utility   | 300                 | 150   | 500             | 250                   | 200                              | 100                   |                              |
| Design  | 200                 | 100   | 100             | 50                    | 130                              | 65                    |                              |
| Plant   | 200                 | 100   | 300             | 150                   | 160                              | 80                    |                              |
| Reissue   | 300                 | 150   | 500             | 250                   | 600                              | 300                   |                              |
| Provisional   | 200                 | 100   | 0               | 0                     | 0                                | 0                     |                              |
| <b>2. EXCESS CLAIM FEES</b>   |                     |   |                 |                       |                                  |                       |                              |
| <b>Fee Description</b>  |                     |   |                 |                       |                                  | <b>Fee (\$)</b>       | <b>Small Entity Fee (\$)</b> |
| Each claim over 20 (including Reissues)   |                     |   |                 |                       |                                  | 50                    | 25                           |
| Each independent claim over 3 (including Reissues)  |                     |   |                 |                       |                                  | 200                   | 100                          |
| Multiple dependent claims   |                     |   |                 |                       |                                  | 360                   | 180                          |
| <b>Total Claims</b>   |                     | <b>Extra Claims</b>                                     | <b>Fee (\$)</b> | <b>Fee Paid (\$)</b>  | <b>Multiple Dependent Claims</b> |                       |                              |
| _____ - 20 = _____  |                     | x _____   | = _____         |                       | <b>Fee (\$)</b>                  |                       | <b>Fee Paid (\$)</b>         |
| HP = highest number of total claims paid for, if greater than 20.   |                     |   |                 |                       |                                  |                       |                              |
| <b>Indep. Claims</b>  |                     | <b>Extra Claims</b>                                     | <b>Fee (\$)</b> | <b>Fee Paid (\$)</b>  |                                  |                       |                              |
| _____ - 3 = _____   |                     | x _____   | = _____         |                       |                                  |                       |                              |
| HP = highest number of independent claims paid for, if greater than 3.  |                     |   |                 |                       |                                  |                       |                              |
| <b>3. APPLICATION SIZE FEE</b>  |                     |   |                 |                       |                                  |                       |                              |
| If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). |                     |   |                 |                       |                                  |                       |                              |
| <b>Total Sheets</b>   | <b>Extra Sheets</b> | <b>Number of each additional 50 or fraction thereof</b> | <b>Fee (\$)</b> | <b>Fee Paid (\$)</b>  |                                  |                       |                              |
| _____ - 100 = _____   | /50                 | _____ (round up to a whole number) x _____              | = _____         |                       |                                  |                       |                              |
| <b>4. OTHER FEE(S)</b>  |                     |   |                 |                       |                                  |                       |                              |
| Non-English Specification, \$130 fee (no small entity discount)   |                     |   |                 |                       |                                  |                       |                              |
| Other (e.g., late filing surcharge):  |                     |   |                 |                       |                                  |                       |                              |
| Surcharge for Late Filing of Declaration  |                     |   |                 |                       |                                  | \$ 65.00              |                              |
| Assignment Recordation Fee  |                     |   |                 |                       |                                  | \$ 40.00              |                              |

|                     |  |                                   |                |
|---------------------|--|-----------------------------------|----------------|
| <b>SUBMITTED BY</b> |  |                                   |                |
| Signature           | <i>Michael A. Sartori</i> # 54,262 for | Registration No. (Attorney/Agent) | 41,289         |
| Name (Print/Type)   | Michael A. Sartori, Ph.D.              | Telephone                         | (202) 344-4000 |
|                     |  | Date                              | June 4, 2007   |

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